# ةرادإ زكرم ىلإ Firepower ديدەت ةيامح ليحرت ةباحسلا ەرفوت يذلا ةيامحلا ناردج

## تايوتحملا

<u>قمدق مل ا</u> <u>قي س اس أل ا ت اب ل ط ت مل ا</u> <u>ت اب ل ط ت مل ا</u>

## ةمدقملا

ىلع FMC ىلع FirePOWER طبارت رشۇم ةيامح ليحرت ةيفيك دنتسملا اذه حضوي OnPrem ىلع SMC نم FMC كار قارب مال الفاي ال

## ةيساسألا تابلطتملا

تابلطتملا

:ةيلاتلا تاعوضوملا ةفرعمب Cisco يصوت

ةرادإ زكرم FirePOWER (CDfmc) ةرادإ زكرم Cisco Defense Orchestrator (CDO) قيامحلا ةوق ديدەت نع نمآلا عافدلا FTDv) قيامحلا ةوق ديدەت زع نمآلا عافدلا

ةمدختسملا تانوكملا

ةيلاتا جماربلا تارادصإ ىلإ دنتسملا اذه يف ةدراولا تامولعملا دنتست:

- FTD 7.2.7
- cdFMC
- FMC 7.4.1

ةصاخ ةيلمعم ةئيب يف ةدوجوملا ةزهجألاا نم دنتسملا اذه يف ةدراولا تامولعملا ءاشنإ مت. تناك اذإ .(يضارتفا) حوسمم نيوكتب دنتسملا اذه يف ةمدختسُملا ةزهجألاا عيمج تأدب رمأ يأل لمتحملا ريثأتلل كمهف نم دكأتف ،ليغشتلا ديق كتكبش.

# ةيساسأ تامولعم

ىلإ تادىدەتلا نع عافدلا ةزەجأ ليحرت Cisco Defense Orchestrator ةرادإ يمدختسمل نكمي زاەجلا ىلع ةدوجوملا ةرادإلا زكارم نم ةباحسلا ربع ەميلست مت يذلا ةيامحلا رادج ةرادإ زكرم ةزەجألا ليحرت كنكمي ،كلذ ىلإ ةفاضإلاب .ثدحأ رادصإ وأ 7.2 رادصإلا لغشت يتلا اقبسم يلخاد ةرادإ زكرم نم ةيباحسلا ةكبشلا ەرفوت يذلا ةيامحلا رادج ةرادإ زكرم ىلإ 1000/2500/4500.

نم موعدم رادصإ ىلإ ةيلخادلا ةرادإلا زكرم جذامن ةيقرت مەملا نم ،ليحرتلا ةيلمع عدب لبق زكرمب ةطبترملا ةزەجألا ليحرت ةعباتم كنكمي ،طقف ةوطخلا ەذە دعب CDO يف ەجاردإو CDO قزەاجلا قرادإلا

### نيوكتلا

CDO رجأتسمل OnPrem FMC نتم ىلع -1.

.CDO رجأتسم ىلإ OnPrem FMC مضل ةمزاللا ةيلوألا دادعإلاا ةيلمع روصلا هذه رهظت

-ili-ili- cisco	Defense Orchestrator	Serv	vices						Q Sear	ch	
≡	Hide Menu										
	Dashboard	Q S	earch by Device Name, IP Address	, or Serial Nun	nber					2	+
$\bigcirc$	Multicloud Defense	FMC	Secure Connectors								
<u></u>	Inventory		Name		Version	Devices	Туре	Status		Last Heartbeat	
Con	figuration		Cloud-Delivered FMC		20240307	⊖1	Cloud-Delivered FMC	Active		05/14/2024, 15:00:10	
٢	Policies >										
$\otimes$	Objects >										
°Č°	VPN >										
Ever	nts & Monitoring										
	Analytics >										
٩	Change Log										
<del>(*)</del>	Jobs										
X	Tools & Services										
 	Settings >										

ا قرادا زكرم ةحفص .1 قروصلا Firepower.

ديدحت Firewall Management Center.

-1 1-1 1- CISCO	Defense Orchestrato	or Services				Q Search	₽ <b>7</b> -	۵. ج	? <b>-</b>
≡	Hide Menu								
	Dashboard		What would you like to on	iboard?				Cancel	
$\bigcirc$	Multicloud Defense								
	Inventory				Select a Service				
Conf	iguration			A	⇔	←			
٢	Policies	>			$\square \rightarrow$	•••• →			
$\otimes$	Objects	>		Firewall Management Center	Secure Event Connector	Secure Device Connector			
•Å•	VPN	>		FMC	SEC	SDC			
Even	ts & Monitoring								
	Analytics	>							
٢	Change Log								
<u>(*</u> )	Jobs								
R	Tools & Services	>							
-{\$}	Settings	>							

.تامدخلا .2 ةروصلا

#### Use Credentials.

cisco	Defense Orchestrat	or Services			Q Search	<b>⊳</b> •	٥.	4	? -
≡	Hide Menu								
	Dashboard		Follow the steps below				Cancel		
$\bigcirc$	Multicloud Defense								
Con	Inventory figuration			Discover From SecureX					
۲	Policies	>		Account Auto-discovery of On-Prem FMCs	Onboarding a device using an IP address or host name and a username				
$\odot$	Objects	>	Eiraurali Management Conter	from SecureX tenant	and password (Version 6.4+)				
٠Å•	VPN	>	Cisco Secure Firewall Management Center						
Ever	nts & Monitoring								
	Analytics	,							
٢	Change Log								
(	Jobs								
R	Tools & Services	>							
	Settings	>							

(*FMC*). ةيساسألا ةرادإلا يف مكحت ةدجو مضل ةفلتخم قرط .3 ةروصلا

#### .CDO نوزخم يف اەضرع نڬمي ىتح FMC ةيمستب مق

.ةيلمع ةحوللاا ل ليصوت تسسأ عيطتسي CDO لاا كلذل ءانيم GUI حصي لاا عم FQDN وأ hostname ،ناونع FMC لاا تلخد

a (?-



### .كزاهج دامتعا تانايب لخدأ

cisco	Defense Orchestrato	or Services			Q Search	Þr· ↓· ≞ ⑦·
≡	Hide Menu					
	Dashboard		Follow the steps below			Cancel
$\bigcirc$	Multicloud Defense					
	Inventory		a	<b>_</b>		
Conf	Policies	>		Discover From SecureX Account	Use Credentials Onboarding a device using an IP address or host name and a username	
$\otimes$	Objects	>	Eironall Management C	from SecureX tenant	and password (Version 6.4+)	
•Å•	VPN	>	Cisco Secure Firewall Manage Center	ement		
Even ↓ () () () () () () () () () ()	ts & Monitoring Analytics Change Log Jobs	>	2 Credentials	We recommend creating a new On-Pre- custom user role with "Devices" and "S on On-Prem FMC and then simultaneous onboarding fails. Note: Please ensure the user has Admir FTDs to Cloud.	m FMC user with a system-provided Administrator ystem" permissions for the sole purpose of onboa say log into that On-Prem FMC with the same logi inistrator role if you are onboarding this On-Prem F	user role or a rding, if you onboard n credentials, ' <i>MC for migrating</i>
* ©	Tools & Services Settings	>		A Before proceeding, please download the cert This prevents your credentials from being redire	tificate and verify that it is authentic. cted to a third party.	
				Username Username Password Password Next		

.*FMC* دامتعا تانايب .5 ةروصلا

ةيلمعلا ضرعل Go To Services ددح .قاحلإلا قيلمع تأدب ،ةلحرملا هذه يف.

cisco	Defense Orchestrati	or Services				Q Search	₽.	¢• #	?-
≡	Hide Menu								
	Dashboard		Follow the steps below					Cancel	
$\bigcirc$	Multicloud Defense								
	Inventory		هي						
Cont	liguration				Discover From SecureX	Use Credentials			
٢	Policies	>			Account Auto-discovery of On-Prem FMCs	Onboarding a device using an IP address or host name and a username			
$\otimes$	Objects	>			from SecureX tenant	and password (Version 6.4+)			
•Å•	VPN	>	Cisco Secure Firewall Manage Center	ement					
Ever	its & Monitoring		•						
	Analytics	>	1 Device Details	Name: My	FMC, Location: 3				
٩	Change Log		2 Credentials	Successfu	ully connected to MyFMC at 2				
(*)	Jobs		0						
R	Tools & Services	>	3 Done	• Your dev • This ma	vice is now onboarding. ay take a long time to finish. You can check the	e status of the device on the Devices and Se	rvices page.		
{ô}	Settings	>		Add Lab	els 😡		+		
				Go To	Services				

مامضنالا ةيلمع ءدب .6 ةروصلا.

#### synced. اەنأ ىلع ةلاحلا ةيۇر نم نكمتت نأ درجمب مامضنالاا قيلمع لامكإ متي

Hide Menu									>	MyFMC @		
Lashboard		Q	Search by Device Name, IP Address, or Serial Num	iber				2 🛨		On-Prem FMC	3 🗹	
O Multicloud		FMC	Secure Connectors							Device Details		Ý
Inventory			Name	Version	Devices	Туре	Status	Last Heartbeat		Location Version Geo Version	3 7.4.1-build 172 None	
Configuration		C	Cloud-Delivered FMC	20240307	⊜1	Cloud-Delivered FMC	O Active	05/14/2024, 15:30:10		VDB Version	384	
Policies	>		MyFMC	7.4.1-build 172	⊜1	On-Prem FMC	O Synced	05/14/2024, 15:29:27		Onboarding	credential	
Objects	>									method		
.å. VPN	>									O Synced		
Events & Monitoring										Your device's cor	figuration is up-to-date.	
√r Analytics	>									Check For Ch	ange a	
( Change Log										Actions		÷
🔆 Jobs										# Reconnect		
😤 Tools & Services	•									Deployment     Opdates 2	nt 🕑	
Settings	>									<ul> <li>Workflows</li> <li>API Explore</li> <li>Settings</li> <li>Assign Obj</li> <li>Remove On devices</li> </ul>	ects -Prem FMC and its manage	đ
										Management		Ŷ
										Devices      Policies      Objects		



#### 2.- دادج لي حرت ConPrem FMC دادج لي حرت cdFMC

, FTD زاهج ليحرت يف ءدبالا اننكمي ،OnPrem FMC مض ةيلمع المتكا درجمب

ىل القتنا Tools & Services > Migrate FTD to cdFMC، ىل FTD ليحرت ةحفص يف CDfmc، ىل قتنا يف قرزأ ةفاض رز دوجو ظحال .ةفاض رزل اددح ،ةشاشل نيمي

disco Defense Orchestrator	r	Migrate FTD to cdFMC			Q Search	kar∙	\$• ⇔	•	cisco-mex-east Imatuscl@cisco.com
Hide Menu	(	Q Search by Name, Device Name or IP Address		)					C +
Lashboard		Name	Number of FTDs	Status		Last Updated			Actions
Multicloud Defense				No migrations found. Begin FTD Migration to	o cloud				
Inventory									
Configuration									
Policies	>								
Objects	>								
₀≛₀ VPN	>								
Events & Monitoring									
√r Analytics	>								
( Change Log									
(±) Jobs									
😤 Tools & Services	>								
{ĝ} Settings	>								

ىلإ *FTD* ىل و*GFMC*. درت .8 ةروصل

اەنم FTD ليحرت ديرت يتلا ةدحولا يە ەذە ،كب صاخلا FMC ددح.

cisco	Defense Orchestrat	or Migrat	e FTD to cdFMC				Q Search	¢ <b>7</b> •	٥.	¢	@ <del>-</del>	cisco-mex-east_ Imatuscl@cisco.com
≡	Hide Menu		Migrate FTD to cdFMC Migrate FTD from OnPrem FMC t	to cloud								Cancel
	Dashboard Multicloud Defense Inventory figuration Policies Objects	>	Select OnPrem FMC	() E	Ensure that you have onboarded your Or After your OnPrem FMC has been onboa wailable OnPrem FMCs (7.2* only) MyFMC v Next	Prem FMC to CDO via Credentia	is or SecureX. Onboard an OnPrem FMC or	learn more				
-å-	VPN	>	2 Select Devices									
$\sqrt{r}$	Analytics	,	3 Finish									
٩	Change Log											
0	Jobs											
2	Tools & Services	>										
¢	Settings	>										

ددح .9 ةروصلا *OnPrem FMC*.

ةلدسنملا ةمئاقلا نم a Commit Action ديدجت بجي ،CDfmc دليجرت ديرت يذلا.

OnPrem FMC نم FTD فذح وأ ليلحتال Onprem FMC ىلع ءاقبتسا ،نارايخ كانه

⊟ Hide Menu		Migrate FTD to cdFMC Migrate FTD from OnPrem FMC to	cloud			Cancel
Dashboard			On Dearson Fallers Mar Faller	•		
Multicloud Defense		Select UniPrem PMC	OnPrem FMC: MyFMC			
Inventory		2 Select Devices	Select FTD device(s) to migrate from OnPrem	FMC to cloud, and specify an action in bu	llk or per device.	Ensure that the DNS and other required     configurations are correct for the
Configuration			Last Synced time : 9 minutes ago Sync from Onl	Prem FMC now		selected FTD(s) to reach CDO. Learn
Policies	>		Q Name	Multi-Device Act	ion Retain on OnPrem FMC for Analytics	<ul> <li>for the device back</li> </ul>
Objects	>		Name	Domain	Commit Action	to its previously-managed On-Prem FMC within 14 days of successfully
₀Ô∗ VPN	>		FTDv-cloud	Global	Retain on OnPrem FM	C for Analytics Brs, the migration job is
Events & Monitoring					Delete FTD from OnPr	em FMC vithout requiring further
√ Analytics	>					n you. Learn more
Change Log						
(+) Jobs						
😤 Tools & Services						
{ô} Settings	,					
			1 device(s) selected		Displaying 1 of 1 results	
			Auto deploy to FTDs after successful n	nigration 0		
			Migrate FTD to cdFMC			

.ةزەجألا ديدحت .10 ةروصلا

رايخ كيدل .حجانلاا ليحرتلاا دعب FTD ىلإ ايئاقلت نيوكتلا رشنل يضارتفا لكشب ةنكمم رايتخإ ةناخ كانه نأ ظحال اقحال تاريغغتلا ءارجإ ديرت تنك اذإ يئاقلتلاا رشنلاا قمهم ليطعت.

ليحرتلا ةيلمع ءدبل Migrate to cdFMC ددح.

Hide Menu		Migrate FTD to cdFMC Migrate FTD from OnPrem FMC to c	loud			Cancel
Lashboard		Select OnPrem FMC	OnPrem FMC: MyFMC	1		
Multicloud Defense			,			
Inventory		2 Select Devices	Select FTD device(s) to migrate from OnPrem	FMC to cloud, and specify an action in bulk	k or per device.	Ensure that the DNS and other required configurations are correct for the
Configuration			Last Synced time : 9 minutes ago Sync from Oni	Prem FMC now		selected FTD(s) to reach CDO. Learn
Policies	>		Q Name	Multi-Device Actio	Multiple Actions Selected	It's possible to revert the device back
Objects	>		Name	Domain	Commit Action	to its previously-managed On-Prem FMC within 14 days of successfully
₀Å₀ VPN	>		FTDv-cloud	Global	Delete FTD from OnPrem FMC	migrating to the cloud-delivered FMC. After 14 days, the migration job is
Events & Monitoring						committed with the actions you have selected without requiring further
√- Analytics	>					action from you. Learn more
Change Log						
(#) Jobs						
😤 Tools & Services						
{ĝ} Settings	>					
			1 device(s) selected		Displaying 1 of 1 results	
			Auto deploy to FTDs after successful n	higration 0		
			Migrate FTD to cdFMC			
		L				

ليحرتلا ةيلمع ءدب .11 ةروصلا.

ةقيقد 15 يلاوح اهمامتإ قرغتسي ام ةداعو ،نآلا ليحرتلا ةيلمع تأدب دقل.

ي امكإ متي ليحرتال المعالم درجمب ليحرتال المع المكام متي successful.

⊟ Hide Menu	(	Q Search by Name, Device Name or IP Address	Displaying 1 of		C +	
Dashboard		Name	Number of FTDs	Status	Last Updated	Actions
Multicloud Defense		B MyFMC_ftd-migration_2024-05-14-214124	1 devices	O Migrate FTD to cdFMC job is successful	May 14, 2024, 3:52:39 PM	
Inventory						
Configuration						
(a) Policies	>					
Objects	>					
₀Č₀ VPN						
Events & Monitoring						
√- Analytics	>					
( Change Log						
📥 Jobs						
😤 Tools & Services						
ô: Settings						

ليحرتلا ةيلمع تلمتكا .12 ةروصلا

#### تاري يغتل ا ارج ا.3

ذيفنتب يصون ،ليحرتلا تارييغت ذيفنتل اموي 14 كيدل .ليحرتلا تارييغت ذيفنت يف ةريخألا ةوطخلا لثمتت Cisco Defense Orchestrator ذيفنت رظتنت الو امتيرجأ يتلا تارييغتلاب اعنتقم تنك اذا ايودي ليحرتلا تارييغت رادج ةرادا زكرم ىل ليحرتلا ذيفنتل ةيقبتملا مايألا ليحرتلا تارييغتب مازتلالا راطا رمظي .ايئاقلت تارييغتلل مداخلا ىل دوجومل قرادال زكرم ىل زامجلا عاجرا وأ قباحسلا ربع مميلست مت يزلا قيامحل

. ددح مث ،ةشاشلا نم نميألا بناجلا ىلع ةدوجوملا حيتافملا ةحول ةمئاق حتفا ،تارييغتلا ذيفنتل Commit Migration Changes.

⊟ Hide Menu	Q Search by Name, Device Name or IP Address	Displaying 1 of	f1 results			C 🗗
Dashboard	Name	Number of FTDs	Status	Last Updated		Actions
C Multicloud Defense	MyFMC_ftd-migration_2024-05-14-214124	1 devices	O Migrate FTD to cdFMC job is successful	May 14, 2024,	3:53:46 PM	
Inventory					El Workflows	
Configuration					Download Report	
Policies					✓ Commit Migration Changes	
Objects >					Remove Migration Job	
₀Å₀ VPN →						,
Events & Monitoring						
$\sqrt{r}$ Analytics $>$						
( Change Log						
(#) Jobs						
😤 Tools & Services 🔷 🔿						
§ Settings →						

ليحرتالا تارييغت ذيفنت .13 ةروصلا

.هيلع تارييغتلا ءارجإ ديرت يذلا زاهجلا ددح مث ،تارييغتلا هذه Commit Action قحص نم ققحت

Hide Menu	Q Search by Name, Device Name or IP Address	Commit Migration Changes	C +
Dashboard	Name	You have 13 days remaining to commit migration to cloud or revert FTD management to On-Prem FMC. Last Updated	Actions
C Multicloud Defense	B MyFMC_ftd-migration_2024-05-14-214124	Clicking Commit implements your specified actions now. You cannet "undo" later. If you do not implement the changes now, your specified actions will be applied automatically after the 14-day May 14, 2024, 3:53:46 PM	
Inventory		evaluation period ends.	
Configuration		Would you like to change any actions or revert any manager choices for the following devices?	
Policies >		Q Name Retain on OnPrem FMC for Analytics -	
Objects >			
₀õ₀ VPN →			
Events & Monitoring		FTDv-cloud Delete FTD from OnPrem FMC -	
√r Analytics >			
( Change Log			
(+) Jobs		0 device(s) selected Displaying 1 of 1 results	
😤 Tools & Services 🛛 >		The action for all chosen devices is final and can not be reverted once committed.	
🚯 Settings >			
		Cancel	

مازتلالا تارييغت ةحص نم ققحتلا .14 ةروصلا.

#### .ةقيقد 15 يلاوح اهمامتإ قرغتسي ةداعو ،نآلا تارييغتلا ذيفنت أدب

⊟ Hide Menu	Q Search by Name, Device Name or IP Address	Displaying 1 of	1 results		C +
Lashboard	Name	Number of FTDs	Status	Last Updated	Actions
Multicloud Defense	B MyFMC_ftd-migration_2024-05-14-214124	1 devices	Committing migrate FTD to cdFMC job is in progress	May 14, 2024, 4:02:19 PM	-
Inventory					
Configuration					
Policies >					
Objects >					
«Å∗ VPN →					
Events & Monitoring					
$\sqrt{r}$ Analytics $>$					
(4) Change Log					
(+) Jobs					
😤 Tools & Services 💦 🔅					

مدقتلا ديق تارييغتلا ذيفنت .15 ةروصلا.

Comitted. ك مازتلالاا ةلاع الماحو Succesful ك ليحرتلا الماح الماح مي أن منكمت نأ درجمب ليحرتلاا لامكا متي

⊟ Hide Menu	(	Q Search by Name, Device Name or IP Address	Display	ng 1 of 1 results			C +
Dashboard		Name	Number of FT	s Status		Last Updated	Actions
Multicloud Defense		B MyFMC_ftd-migration_2024-05-14-214124	1 devices	<ul> <li>Migrate FTD to cdFMC job</li> </ul>	is successful	May 14, 2024, 4:04:27 P	м
Inventory		DEVICE NAME	MIGRATION STATUS		1	LAST UPDATED	
Configuration		FTDv-cloud	<ul> <li>Migration Successful. Deleted d</li> </ul>	evice from On-Prem FMC successfully.		Committed. Deleted FTD from On-Prem FMC.	May 14, 2024, 4:02:44 PM
Policies	>						
Objects	>						
₀Å₀ VPN	>						
Events & Monitoring							
√- Analytics	>						
Change Log							
Jobs							
😤 Tools & Services	->						
🚯 Settings	>						

ةيمازلإلاا تارييغتالاو ليحرتانا ةيلمع تالمتكا .16 ةروصالا.

#### ةحصلا نم ققحتلا

.نآلاا ضفخنا دق FMC ل SMC ىلع دوجوملا زامجلا مقرر نأ نم ققحتو ،Tools & Services > Firepower Manager Center ىل إلقتنا

.تلمتكا ليحرتلا قيلمع نأ ينعي اذهو ،CDfmc يف زاهجلا مقر داز فيك يرت نأ كنكمي ،يرخأ قيحان نم

⊟ Hide Menu						» C	loud-Delivered FMC
A Dashboard	Q. Search by Device Name, IP Address, or Serial Nu	mber			e +	н	stname cdo-cisco-mex-east s85img.app.us.edo.cisco.com
C Multicloud Defense	FMC Secure Connectors						rrsion 20240307
inventory	Name	Version Devices	Туре	Status	Last Heartbeat	A	ctions
Configuration	Cloud-Delivered FMC	20240307 👄 1	Cloud-Delivered FMC	O Active	05/14/2024, 16:00:10		O Check For Changes
(a) Policies	MyFMC	7.4.1-build 172 🖨 0	On-Prem FMC	O Synced	05/14/2024, 16:04:25		Updates     Workflows
Objects							API Explorer
eðe VPN	•						lananement
Events & Monitoring							sanagement
√r Analytics	•						Devices
Change Log							Objects
(*)							+C NAT
Jobs							- Site to Site VPN
😤 Tools & Services 🔅							Remote Access VPN     Platform Settings
183 Settions							
tật occurds						S	ystem
							O Configuration ■ Smart Licenses O AMP Management + Device Health ▲ Audit O Cisco Cloud Events

*Firepower.* ةرادإ زكرم ةمئاق .17 ةروصلا

ىل لوخدل ليجستب مق OnPrem ىل OnPrem كى الماتكمل ما ماممل المحص نم ققحتل اب مقو كب صاخل OnPrem ى من ع FMC كى ال نم مل يجست مدعو FDD لي حرت OnPrem.

Firewall Management Center Overview A	analysis Policies Devices Objects Integration	Deploy Q 🥩 🌣 🙆 admir	n ~ cisco SECURE
View By: Group		Deployments Upgrades 🛛 Health Tasks 📩 🗮	Show Notifications
All (0) • Error (0) • Warning (0) • Offline (0) • Norr	mal (0) • Deployment Pending (0) • Upgrade (0)	20+ total 0 waiting 0 running 0 retrying 20+ success 0 failures . Filter	r
Collarse All Name	Model Version Chassis	Register     Unregistration     Unregistration completed.     FTDv-cloud - Device unregistered successfully	<u>95</u> ×
Ungrouped (0)		<ul> <li>Register</li> <li>Migration state change for 1 devices successfully completed</li> </ul>	$\frac{2s}{2}$ ×
		<ul> <li>Device Configuration Export</li> <li>Export file uploaded to edge.us.cdo.clsco.com</li> <li>Download Export Package</li> </ul>	$\frac{5s}{2}$ ×
		<ul> <li>Register</li> <li>CDO state change for migration on 1 devices</li> </ul>	8s ×
		Remove completed tasks	

. ماهم ةحص نم ققحتاا .18 ةروصاا *OnPrem FMC*.

#### ةلص تاذ تامولعم

- قى باحس لا قلىبش لا مرف وت يذل اقي ام حل ارادج قراد إز كرم عل ات ادى ده مال دخ قي ام حل الى حرت •
- Cisco Systems تادنتسماو ينقتارا معدارا

ةمجرتاا مذه لوح

تمجرت Cisco تايان تايانق تال نم قعومجم مادختساب دنتسمل اذه Cisco تمجرت ملاعل العامي عيمج يف نيم دختسمل لمعد يوتحم ميدقت لقيرشبل و امك ققيقد نوكت نل قيل قمجرت لضفاً نأ قظعالم يجرُي .قصاخل امهتغلب Cisco ياخت .فرتحم مجرتم اممدقي يتل القيفارت عال قمجرت اعم ل احل اوه يل إ أم اد عوجرل اب يصوُتو تامجرت الاذة ققد نع اهتي لوئسم Systems الما يا إ أم الا عنه يل الان الانتيام الال الانتيال الانت الما